

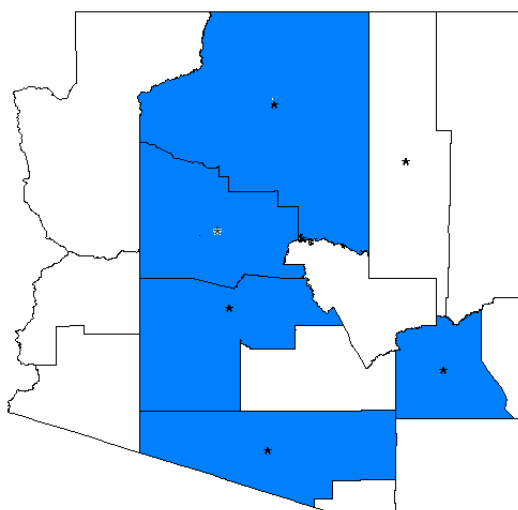
Weekly Influenza Summary:

"Regional" influenza activity was reported in Arizona for the week ending on 12/29/2007 (week 52). A total of 72 cases have been reported from across six counties. No pediatric influenza-associated deaths have been reported in Arizona for the current season. The influenza-like-illness rate is above the state baseline for week 51.

Data in this report are provisional and may change as more reports are received.

National influenza surveillance data are available at the CDC's Influenza Surveillance site (<http://www.cdc.gov/flu/weekly/fluactivity.htm>).

Influenza Activity by County:



Key:

* = Any activity reported this season

Blue = Activity reported in past three weeks

White = No activity reported in past three weeks

Flu Cases Reported 2007 – 2008 Season

County	# cases	County	# cases	County	# cases
Apache	0	Greenlee	0	Pima	4
Cochise	0	La Paz	0	Pinal	0
Coconino	5	Maricopa	58	Santa Cruz	0
Gila	0	Mohave	0	Yavapai	1
Graham	2	Navajo	2	Yuma	0

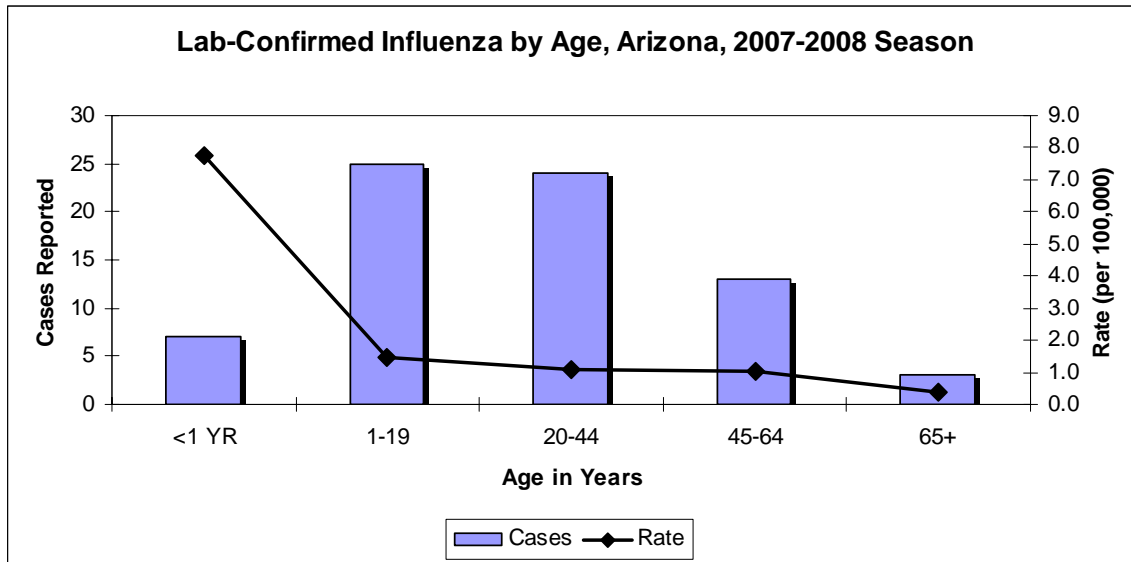
Flu Cases Reported Last Week

County	# cases	County	# cases	County	# cases
Apache	0	Greenlee	0	Pima	2
Cochise	0	La Paz	0	Pinal	0
Coconino	0	Maricopa	17	Santa Cruz	0
Gila	0	Mohave	0	Yavapai	0
Graham	0	Navajo	0	Yuma	0

Lab Surveillance:

Laboratories report positive influenza tests to ADHS. Of the lab-confirmed influenza reported this season, 52 are influenza A (30 confirmed by culture or PCR), 9 are influenza B (three confirmed by culture or PCR) and 11 are unknown.

Ages of reported cases range from less than one year to over 65 years.



Subtyping – Culture or PCR Results:

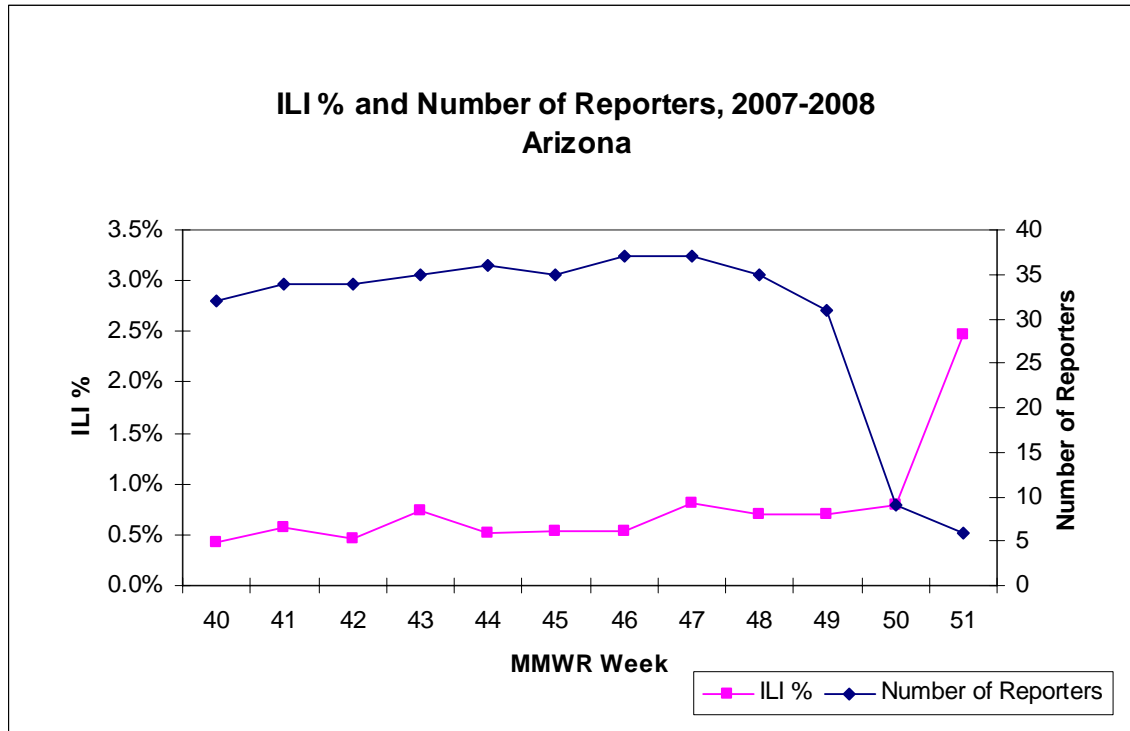
Viral isolation, or culture, is currently the “gold standard” for diagnosis of influenza virus infections. The influenza subtype can be determined by a test called hemagglutination inhibition (HI) using viral isolates. Polymerase chain reaction (PCR) can also be used to identify influenza B and the hemagglutinin (H) component of influenza A.

Of the 30 culture- or PCR-confirmed influenza A cases, 11 are H1 by PCR and four are H1N1 and the other 15 influenza A cases are unsubtyped. The three culture or PCR positive influenza B cases are unsubtyped.

Influenza-Like Illness (ILI) Surveillance from Sentinel Providers

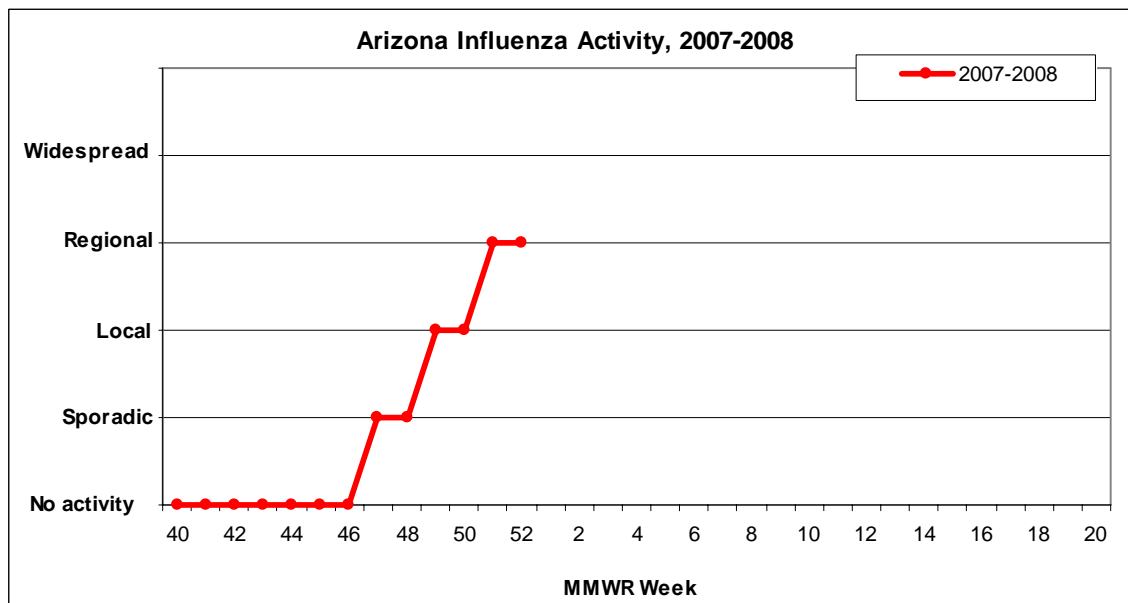
The proportion of patient visits to sentinel providers for ILI in the state was 2.5% for the week ending 12/22/2007 (week 51). This value is higher than the Arizona ILI baseline (0.5%).

ILI is defined as a fever of at least 100°F plus either a cough or a sore throat.



Arizona Influenza Activity Levels

The graph below shows the influenza activity levels reported to the CDC for this season only. CDC has changed the reporting criteria for state activity levels so Arizona's data from previous seasons are no longer directly comparable to the current season. For week 52, Arizona reported "regional activity". Definitions of these reporting categories can be found at <http://www.cdc.gov/flu/weekly/fluactivity.htm>.



RSV Activity in Arizona:

Increasing respiratory syncytial virus (RSV) activity has been reported in Arizona. As of 12/29/2007, 115 lab-confirmed cases have been reported. Forty-three new cases of RSV were reported during week 52.

